

Name: _____

**Unit Three Study Sheet: Linear Inequalities
and More Systems Word Problems**

Definition of Linear Inequality:

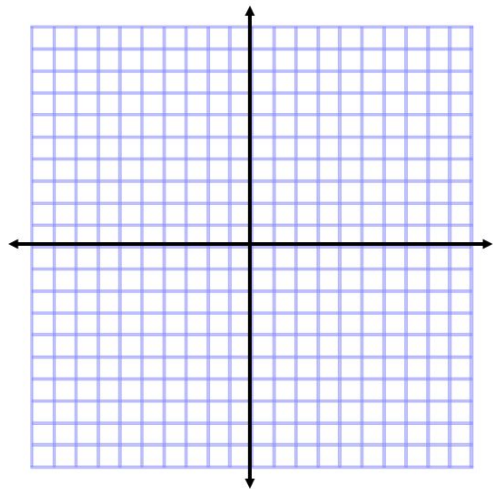
Dashed Boundary Line when:

Solid Boundary Line when:

Steps to Graphing a Linear Inequality:

Ex: $2x + 3y > -6$

Test Points:

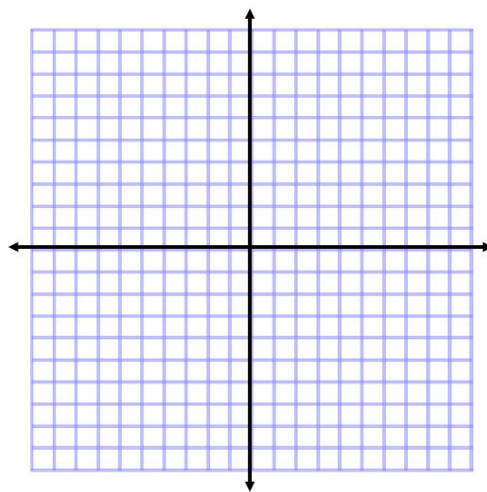


Definition of a System of Linear Inequalities:

Steps to Graphing a System of Linear Inequalities:

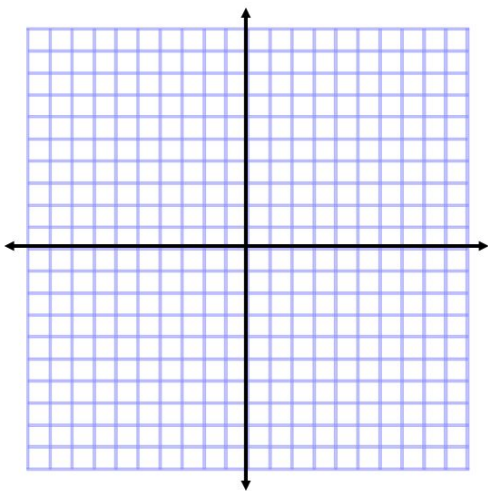
Ex: $y < -x + 3$ and
 $y \geq 2x - 5$

Test Points:

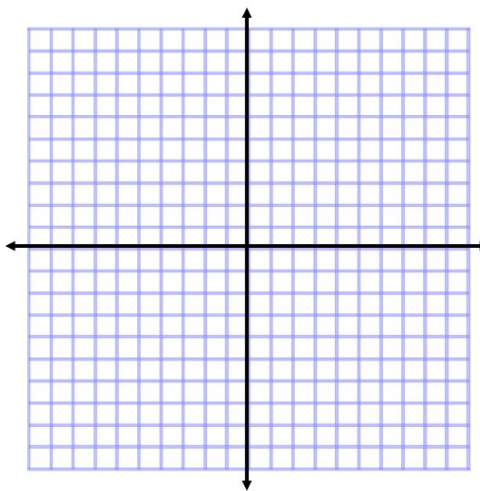


Parallel Inequalities: Possible Solutions

No Solution Example
(write a system)



Overlap Example
(write a system)



Mixture Word Problems:

Guide Equations:

Current/Wind Problems:

Guide Equations:

